

Please type a plus sign (+) inside this box →



PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
	Application Number	09/896,221		
	Filing Date	June 29, 2001		
	First Named Inventor	Jason Gosior et. al.		
	Group Art Unit	2151		
	Examiner Name			
Sheet	1	of	5	Attorney Docket Number
				RR-503

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
74		4,646,236		Crockett et. al.	02-24-1987	
		5,276,847		Kohn	01-04-1994	
		5,357,617		Davis et. al.	10-18-1994	
		5,404,469		Chung et. al.	04-04-1995	
		5,546,593		Kimura et. al.	08-13-1996	
		5,734,921		Dapp et. al.	03-31-1998	
		5,754,871		Wilkinson et. al.	05-19-1998	
		5,761,523		Wilkinson et. al.	06-02-1998	
		5,828,894		Wilkinson et. al.	10-27-1998	
		5,835,705		Larsen et. al.	11-10-1998	
		5,878,241		Wilkinson et. al.	03-02-1999	
		5,907,702		Flynn et. al.	05-25-1999	
		5,923,872		Chrysos et. al.	07-13-1999	
		5,966,528		Wilkinson et. al.	10-12-1999	
		6,000,044		Chrysos et. al.	12-07-1999	
		6,018,759		Doing et. al.	01-25-2000	
		6,052,708		Flynn et. al.	04-18-2000	
		6,073,159		Emer et. al.	06-06-2000	
	6,076,157		Borkenhagen et. al.	06-13-2000		
	6,094,715		Wilkinson et. al.	07-25-2000		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature: <i>[Handwritten Signature]</i>	Date Considered: 6/11/04
--	--------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

+

Approved for use through 10/31/99. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

5

Attorney Docket Number

RR-503

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
25		6,101,569		Miyamoto et. al.	08-08-2000	
		6,105,127		Kimura et. al.	08-15-2000	
		6,134,653		Roy et. al.	10-17-2000	
		4,594,655		Hao et. al.	06-10-1986	
		4,636,942		Chen et. al.	01-13-1987	
		4,901,230		Chen et. al.	02-13-1990	
		4,985,827		Hamanaka et. al.	01-15-1991	
		5,353,418		Nikhil et. al.	10-04-1994	
		5,430,850		Papadopoulos et.al.	07-04-1995	
		5,471,593		Branigin	11-28-1995	
		5,499,349		Nikhil et. al.	03-12-1996	
		5,560,029		Papadopoulos et. al.	09-24-1996	
		5,632,032		Ault et. al.	05-20-1997	
		5,666,535		Komori et. al.	09-09-1997	
		5,721,920		Mak et. al.	02-24-1998	
		5,742,822		Motomura	04-21-1998	
		5,752,067		Wilkinson et. al.	05-12-1998	
		5,845,331		Carter et. al.	12-01-1998	
		5,867,725		Fung et. al.	02-02-1999	
	25		5,872,963		Bitar et. al.	02-16-1999

[illegible]Examiner
SignatureDate
Considered

6/11/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+

+

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 3 of 5

Application Number	09/896,221
Filing Date	June 29, 2001
First Named Inventor	Jason Gosior et. al.
Group Art Unit	2151
Examiner Name	
Attorney Docket Number	RR-503

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A		5,903,899		Steele, Jr.	05-11-1999	
		5,944,816		Dutton et. al.	08-31-1999	
		5,968,167		Whittaker et. al.	10-19-1999	
		6,003,123		Carter et. al.	12-14-1999	
		6,088,788		Borkenhagen et. al.	07-11-2000	
		6,092,180		Anderson et. al.	07-18-2000	
		6,105,051		Borkenhagen et. al.	08-15-2000	
		6,105,074		Yokote	08-15-2000	
		6,138,140		Yokote	10-24-2000	
		6,148,396		Chrysos et. al.	11-14-2000	
		6,154,832		Maupin	11-28-2000	
		6,163,840		Chrysos et. al.	12-19-2000	
		6,182,210		Akkary et. al.	01-30-2001	
		6,195,748		Chrysos et. al.	02-27-2001	
	B		4,037,205		Edelberg et. al.	07-19-1977
		4,448,543		Vail	05-15-1984	
		4,903,251		Chapman	02-20-1990	
		5,396,641		Iobst et. al.	03-07-1995	
		5,475,631		Parkinson et. al.	12-12-1995	
	5,539,345		Hawkins	07-23-1996		

[illegible]

Wesley L. Lacy

6/11/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	09/896,221	
			Filing Date		
			First Named Inventor	Jason Gosior et. al.	
			Group Art Unit	2151	
			Examiner Name		
Sheet	4	of	5	Attorney Docket Number	RR-503

[illegible][illegible]

Examiner Signature	<i>[Signature]</i>	Date Considered	6/11/07
-----------------------	--------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/896,221
				Filing Date	
				First Named Inventor	Jason Gosior et. al.
				Group Art Unit	2151
				Examiner Name	
Sheet	5	of	5	Attorney Docket Number	RR-503

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
74		Iyer, Subramanian S. et. al., "Embedded DRAM Technology: Opportunities and Challenges," IEEE Spectrum, April 1999, Volume 36, Number 4, 21 pp.	
12		Elliott, Duncan G., et. al., "Computational RAM: A Memory-SIMD Hybrid and its Application to DSP." Custom Integrated Circuits Conference, pp. 30.6.1-30.6.4, Boston, MA, May 1992.	
28		Elliott, Duncan G., et. al., "A PetaOp/s is Currently Feasible by Computing in RAM." PetaFLOPS Frontier Workshop, IEEE Symposium, McLean, VA, February 1995, 3 pp.	

Examiner Signature		Date Considered	6/11/04
-----------------------	---	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.